

Recombinant Full Length Human GBP2 Protein, GST-tagged

Cat. No. GBP2-5524HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GBP2 full-length ORF (AAH22272, 1 a.a. - 481 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	481 amino acids
Description	Interferons are cytokines that have antiviral effects and inhibit tumor cell proliferation. They induce a large number of genes in their target cells, including those coding for the guanylate-binding proteins (GBPs). GBPs are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP). The protein encoded by this gene is a GTPase that converts GTP to GDP and GMP. [provided by RefSeq
Molecular Mass	78.65 kDa
AA Sequence	<p>MAPEINLPGPMSLIDNTKGQLVVNPEALKILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKKNGFSLGSTVKSHTKGIWMWCVPHPKPEHTLVLLDTEGLGDIKGDNENDSWI FALAILLSSTFVYNMGTINQQAMDQLHYVTELTDRIKANSSPGNNSVDDSADFVSFF PAFVWTLRDFTLELEVDGEPITADDYLELSLKLKRGTDKKSFSFNDPRLCIRKFFPKR KCFVFDWPAPKKYLAHLEQLKEEELNPDFIEQVAEFCSYILSHSNVKTLSGGIPVNGP RLESVLTYVNAISSGDLPCMENAVLALAQIENSAAVEKAIAHYEQQMGGQKVQLPTE TLQELLDLHRDSEREAIEVFMKNSFKDQMFQRKLGALQLEARRDDFCKQNSKASS DCCMALLQDIFGPLEEDVKQGTFSKPGGYRLFTQKLQELKNKYYQVPRKGIQAKEVL</p>

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Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[GBP2 guanylate binding protein 2, interferon-inducible \[Homo sapiens \]](#)

Official Symbol

[GBP2](#)

Synonyms

GBP2; guanylate binding protein 2, interferon-inducible; interferon-induced guanylate-binding protein 2; GBP-2; huGBP-2; GTP-binding protein 2; guanine nucleotide-binding protein 2; DKFZp451C2311;

Gene ID

[2634](#)

mRNA Refseq

[NM_004120](#)

Protein Refseq

[NP_004111](#)

MIM

[600412](#)

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UniProt ID

P32456

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